RAW SEQUENCE LISTING
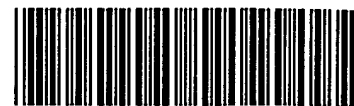
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/534,259 _____

Source: _____ IFWP _____

Date Processed by STIC: _____ 08/14/2006 _____

ENTERED

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          RAW SEQUENCE LISTING                   DATE: 08/14/2006
          PATENT APPLICATION:  US/10/534,259     TIME: 12:31:55

          Input Set : E:\P-7938-US.txt
          Output Set: N:\CRF4\08142006\J534259.raw

      3 <110> APPLICANT: ISIS Innovation LTD
      4        James, William
      6 <120> TITLE OF INVENTION: Ligands
      8 <130> FILE REFERENCE: P-7938-US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/534,259
C--> 10 <141> CURRENT FILING DATE: 2005-05-10
     10 <160> NUMBER OF SEQ ID NOS: 32
     12 <170> SOFTWARE: PatentIn version 3.3
     14 <210> SEQ ID NO: 1
     15 <211> LENGTH: 47
     16 <212> TYPE: DNA
     17 <213> ORGANISM: Human
     19 <400> SEQUENCE: 1
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     23 <210> SEQ ID NO: 2
     24 <211> LENGTH: 50
     25 <212> TYPE: DNA
     26 <213> ORGANISM: Human
     28 <400> SEQUENCE: 2
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     32 <210> SEQ ID NO: 3
     33 <211> LENGTH: 50
     34 <212> TYPE: DNA
     35 <213> ORGANISM: Human
     37 <400> SEQUENCE: 3
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     41 <210> SEQ ID NO: 4
     42 <211> LENGTH: 49
     43 <212> TYPE: DNA
     44 <213> ORGANISM: Human
     46 <400> SEQUENCE: 4
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     50 <210> SEQ ID NO: 5
     51 <211> LENGTH: 48
     52 <212> TYPE: DNA
     53 <213> ORGANISM: Human
     55 <400> SEQUENCE: 5
     56 ccucuugcac cgccgagaau auaauucaag agguccacaa cuaauuag             48
     59 <210> SEQ ID NO: 6
     60 <211> LENGTH: 49
     61 <212> TYPE: DNA
     62 <213> ORGANISM: Human
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RAW SEQUENCE LISTING   DATE: 08/14/2006
PATENT APPLICATION: US/10/534,259   TIME: 12:31:55

Input Set : E:\P-7938-US.txt
Output Set: N:\CRF4\08142006\J534259.raw

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68 <210> SEQ ID NO: 7
69 <211> LENGTH: 42
70 <212> TYPE: DNA
71 <213> ORGANISM: Human
73 <400> SEQUENCE: 7
74 agaccuuaua ccugagauua cacgcucuuc gagcacgucg ac                 42
77 <210> SEQ ID NO: 8
78 <211> LENGTH: 50
79 <212> TYPE: DNA
80 <213> ORGANISM: Human
82 <400> SEQUENCE: 8
83 gcgaaaacuc cgauuuuccu cuguagugau gggauuuucc cgccugaacc          50
86 <210> SEQ ID NO: 9
87 <211> LENGTH: 50
88 <212> TYPE: DNA
89 <213> ORGANISM: Human
91 <400> SEQUENCE: 9
92 caccuaccua auuauuaaac uuugggcagu aucccgcuuu gcuucuuauc          50
95 <210> SEQ ID NO: 10
96 <211> LENGTH: 50
97 <212> TYPE: DNA
98 <213> ORGANISM: Human
100 <400> SEQUENCE: 10
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105 <211> LENGTH: 50
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123 <211> LENGTH: 49
124 <212> TYPE: DNA
125 <213> ORGANISM: Human
127 <400> SEQUENCE: 13
128 cuucucccuu gagggcccca ugaccugacu guagauaucu gcccucgag          49
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132 <211> LENGTH: 50
133 <212> TYPE: DNA
134 <213> ORGANISM: Human
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RAW SEQUENCE LISTING   DATE: 08/14/2006
PATENT APPLICATION: US/10/534,259   TIME: 12:31:55

Input Set : E:\P-7938-US.txt
Output Set: N:\CRF4\08142006\J534259.raw

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142 <212> TYPE: DNA
143 <213> ORGANISM: Human
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151 <212> TYPE: DNA
152 <213> ORGANISM: Human
154 <400> SEQUENCE: 16
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159 <211> LENGTH: 50
160 <212> TYPE: DNA
161 <213> ORGANISM: Human
163 <400> SEQUENCE: 17
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167 <210> SEQ ID NO: 18
168 <211> LENGTH: 50
169 <212> TYPE: DNA
170 <213> ORGANISM: Human
172 <400> SEQUENCE: 18
173 cccguaccac cacacccuau gcacaucguu guuugucguc uuucccgcau                 50
176 <210> SEQ ID NO: 19
177 <211> LENGTH: 50
178 <212> TYPE: DNA
179 <213> ORGANISM: Human
181 <400> SEQUENCE: 19
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185 <210> SEQ ID NO: 20
186 <211> LENGTH: 50
187 <212> TYPE: DNA
188 <213> ORGANISM: Human
190 <400> SEQUENCE: 20
191 cccccauggc acgccgauca cguuuugcug uccgccgguc cauaaauacu                 50
194 <210> SEQ ID NO: 21
195 <211> LENGTH: 49
196 <212> TYPE: DNA
197 <213> ORGANISM: Human
199 <400> SEQUENCE: 21
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203 <210> SEQ ID NO: 22
204 <211> LENGTH: 50
205 <212> TYPE: DNA
206 <213> ORGANISM: Human
208 <400> SEQUENCE: 22
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212 <210> SEQ ID NO: 23
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RAW SEQUENCE LISTING   DATE: 08/14/2006
PATENT APPLICATION: US/10/534,259   TIME: 12:31:55

Input Set : E:\P-7938-US.txt
Output Set: N:\CRF4\08142006\J534259.raw

```
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214 <212> TYPE: DNA
215 <213> ORGANISM: Human
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221 <210> SEQ ID NO: 24
222 <211> LENGTH: 49
223 <212> TYPE: DNA
224 <213> ORGANISM: Human
226 <400> SEQUENCE: 24
227 acggcaaccc guuauaaccu cccacuggcu aucccguuaa gcuucccua           49
230 <210> SEQ ID NO: 25
231 <211> LENGTH: 49
232 <212> TYPE: DNA
233 <213> ORGANISM: Human
235 <400> SEQUENCE: 25
236 ucaccuguac acuaccucua ccaugcuuga gccuacgccg ccgacaccc           49
239 <210> SEQ ID NO: 26
240 <211> LENGTH: 48
241 <212> TYPE: DNA
242 <213> ORGANISM: Human
244 <400> SEQUENCE: 26
245 cguauucauc agguagcgua gauccgugug gcgggcuguu ccauuuua            48
248 <210> SEQ ID NO: 27
249 <211> LENGTH: 50
250 <212> TYPE: DNA
251 <213> ORGANISM: Human
253 <400> SEQUENCE: 27
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257 <210> SEQ ID NO: 28
258 <211> LENGTH: 62
259 <212> TYPE: DNA
260 <213> ORGANISM: Human
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (42)..(42)
266 <223> OTHER INFORMATION: n is a, c, g, t or u
268 <400> SEQUENCE: 28
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271 ct                                                              62
274 <210> SEQ ID NO: 29
275 <211> LENGTH: 44
276 <212> TYPE: DNA
277 <213> ORGANISM: Human
279 <400> SEQUENCE: 29
280 aattaccct cactaaaggg aactgttgtg agtctcatgt cgaa                 44
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284 <211> LENGTH: 40
285 <212> TYPE: DNA
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286 <213> ORGANISM: Human
288 <400> SEQUENCE: 30
289 taatacgact cactataggg agacaagact agacgcrcaa                          40
292 <210> SEQ ID NO: 31
293 <211> LENGTH: 16
294 <212> TYPE: DNA
295 <213> ORGANISM: Human
297 <400> SEQUENCE: 31
298 agcagaagac agtggc                                                    16
301 <210> SEQ ID NO: 32
302 <211> LENGTH: 19
303 <212> TYPE: DNA
304 <213> ORGANISM: Human
306 <400> SEQUENCE: 32
307 tagtgcttcc tgctgctcc                                                 19
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/14/2006
PATENT APPLICATION: US/10/534,259   TIME: 12:31:56

Input Set : E:\P-7938-US.txt
Output Set: N:\CRF4\08142006\J534259.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the
<220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:28; N Pos. 42

VERIFICATION SUMMARY   DATE: 08/14/2006
PATENT APPLICATION: US/10/534,259   TIME: 12:31:56

Input Set : E:\P-7938-US.txt
Output Set: N:\CRF4\08142006\J534259.raw

```
L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
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